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METHOD AND SYSTEM FOR MONITORING AND TREATING A PATIENT

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(56)**References Cited**

U.S. PATENT DOCUMENTS

5,908,383 A *	6/1999	Brynjestad 128/920
5,954,640 A *	9/1999	Szabo 600/300
6,014,631 A *	1/2000	Teagarden et al 705/2
6,024,699 A	2/2000	Surwit et al.
6,039,688 A *	3/2000	Douglas et al 600/300
6,223,164 B1 *	4/2001	Seare et al 705/2

OTHER PUBLICATIONS

Patient Infosystems Web site [retrieved from the Internet at http://www/ptisys.com/web/news/1998/pr11-10-98.html on Feb. 16, 2001].

"Guidelines for the Diagnosis and Management of Asthma," National Institutes of Health, NIH Publication No. 97–4051, pp. 1-148 (1997).

* cited by examiner

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ABSTRACT

A method for monitoring and treating a patient with one or more diagnosed conditions includes a few steps. A current assessment of each of the diagnosed conditions is determined in a treatment processing system. The current assessment is based on objective data and subjective data about each of the diagnosed conditions from the patient who is at a remote location and on one or more assessment guidelines for each of the diagnosed conditions. Next, an existing treatment plan for each of the diagnosed conditions is updated using the treatment processing system. The updated treatment plan is based on the existing treatment plan, the current assessment and on one or more treatment guidelines for each of the diagnosed conditions. The updated treatment plan for each of the diagnosed conditions is then transmitted to the patient for application by the patient at the remote location.

9 Claims, 16 Drawing Sheets

